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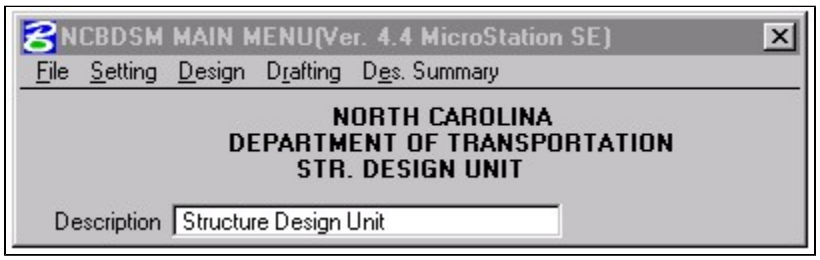
# *ABAR AND BILL OF MATERIAL WITH NCBDS and DETAILS*

## *Using NCBDS to run ABAR and DETAILS to run a BILL OF MATERIAL with the PC Workstation*

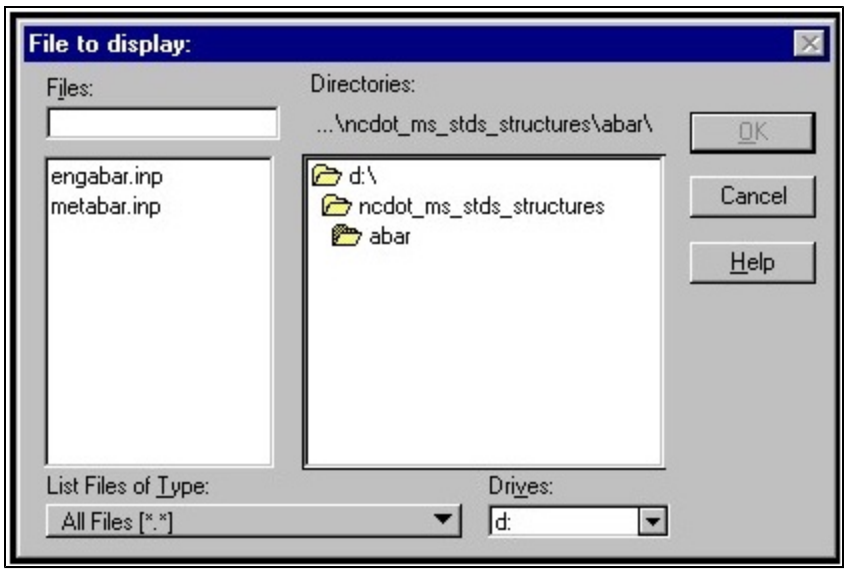
1. Choose the  Icon. This will open dialog as shown in Example 1.

**Example 1:**




2. Click on FILE and then LIST. Go to the (drive:\ncdot_ms_stdsd_structures\abar) inputfile; see Example 2.

**Example 2:**

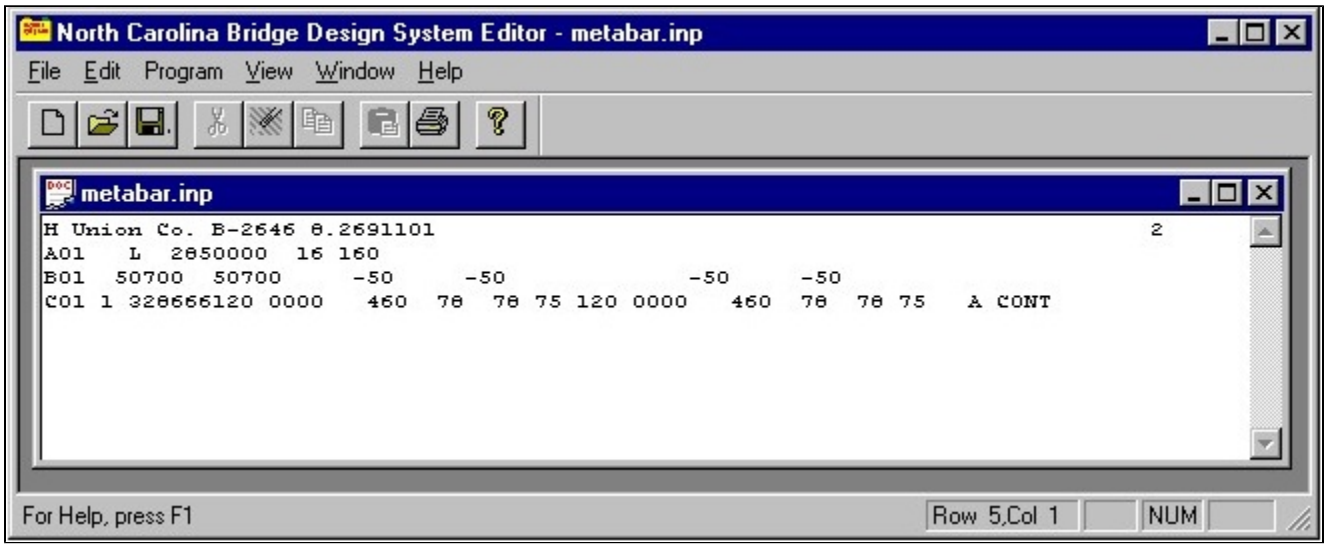



3. After selecting metabar.imp, click OK button.

This will bring up dialog box shown in Example 3.

This will show you the input data to run the ABAR output.

**Example 3:**

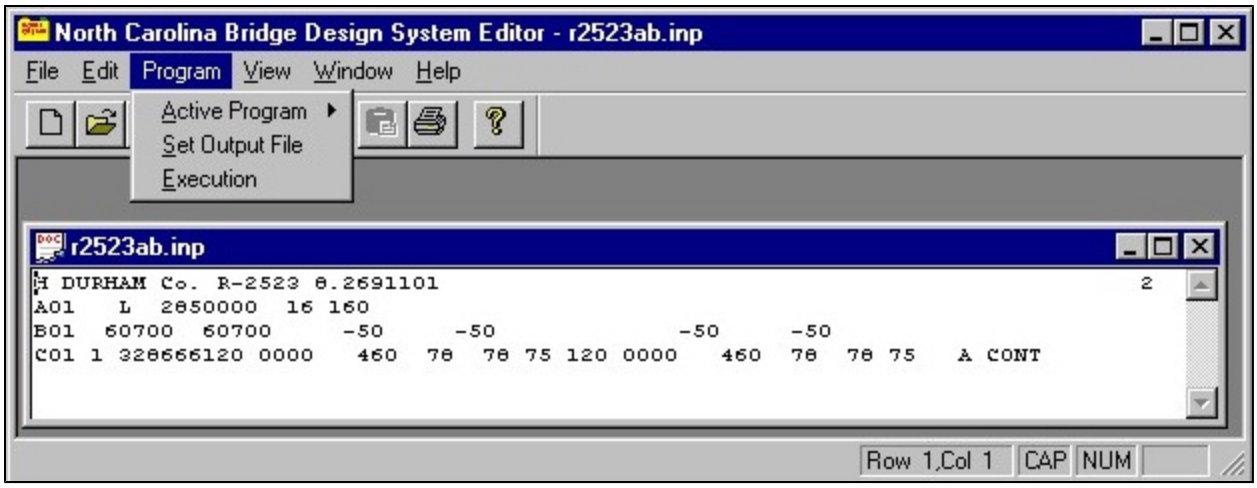



4. Next, edit the file with new information. Line numbers are the same as the input sheet. After editing, check and see if the number 1 or 2 is still in row 1 column 80 then click on FILE then SAVE AS. It can be saved under any directory and file name with the INP suffix.

Example: d:\users\bridge\r2523ab.inp

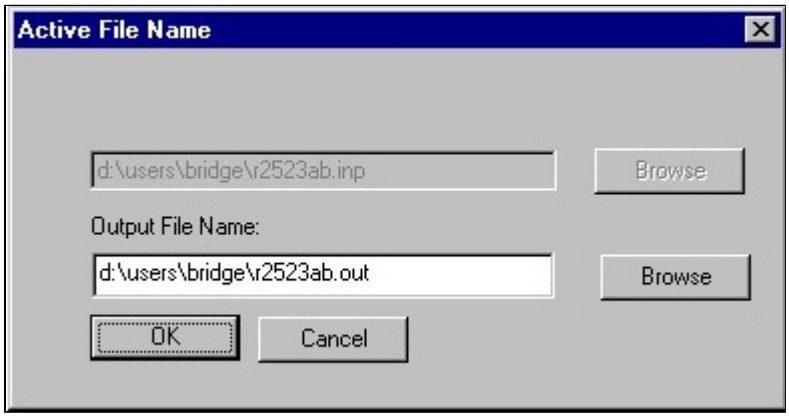
5. To run program click on PROGRAM as shown in Example 4.

**Example 4:**




6. Click on SET OUTPUT FILE, the dialog box in Example 5 will be shown.

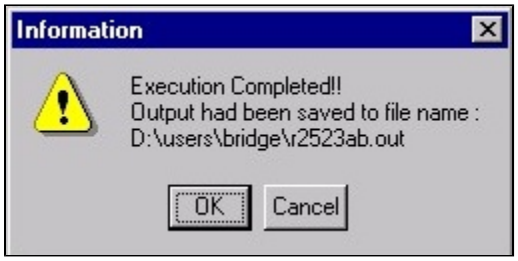
**Example 5:**




The Browse button can be used to locate or relocate output files. Click on the OK button.

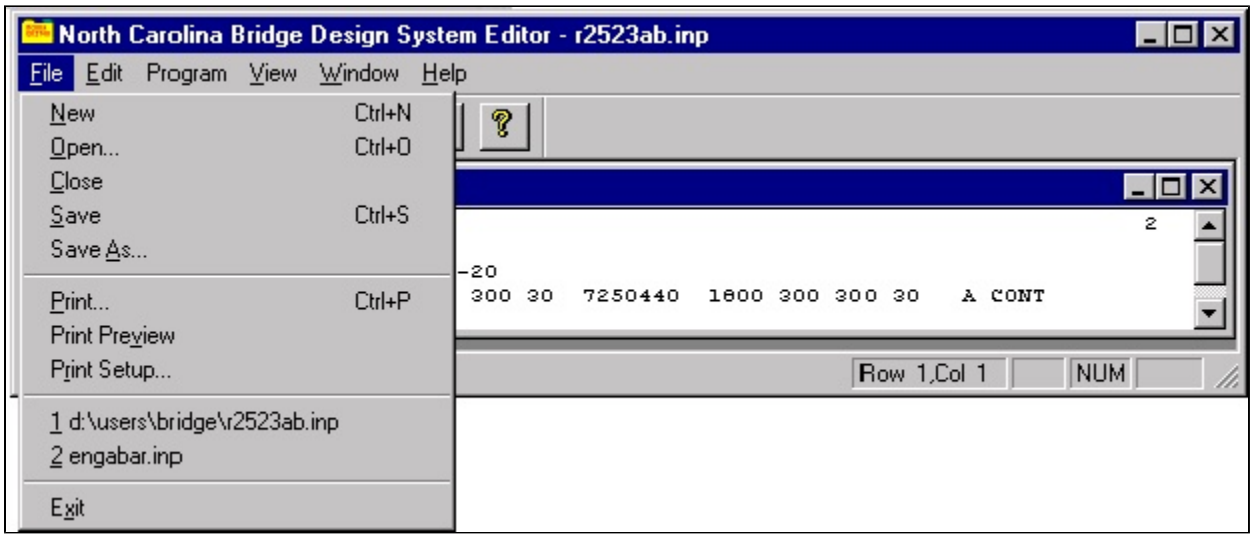
7. Next click back to Program then Execution, this dialog in Example 6 will be shown after completing the program. Click on the OK button.

**Example 6:**



8. To view output file (d:\users\bridge\r2523ab.out) click on FILE and then OPEN as shown in Example 7. Locate the location of the output file.

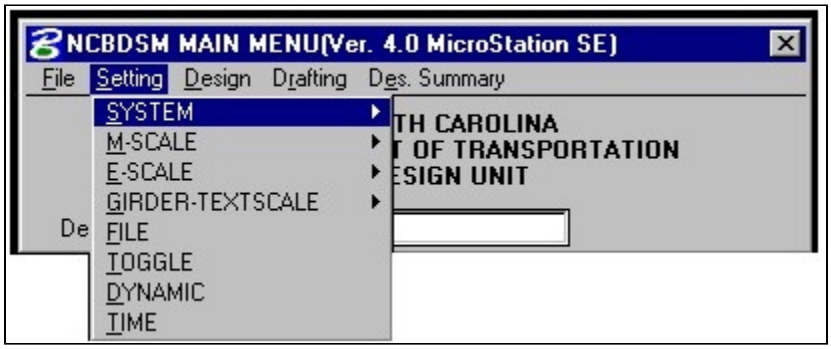
**Example 7:**




To print out, click on FILE then PRINT, this will print the output. After printing click on File then Exit.

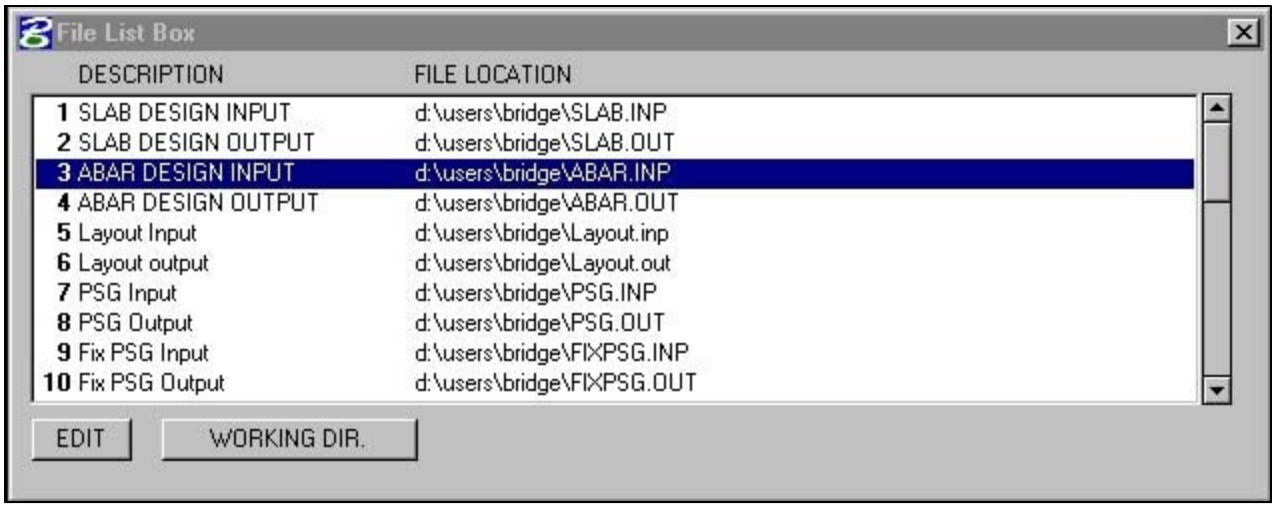
9. With NCBDS still called up, click on SETTING as shown in Example 8.

**Example 8:**



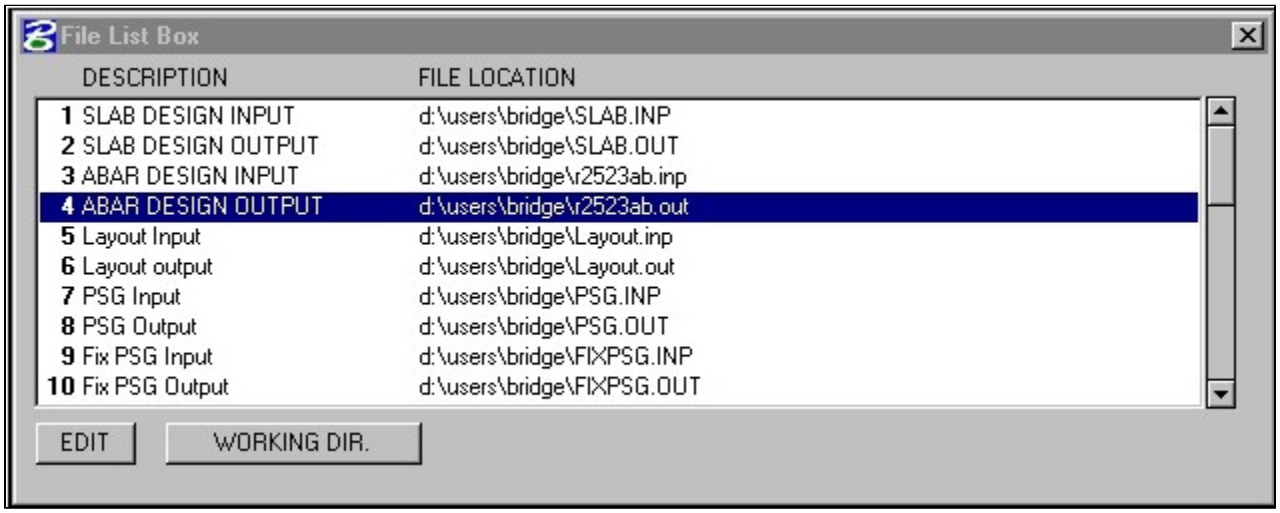

10. Next click on FILE. The dialog will show up as shown in Example 9. This is the settings for running programs.

**Example 9:**




11. Click on WORKING DIR. to set the location of the directory were the input and output directory is located. Double click on row 3 to change the settings to the name of the input file (.INP) then row 4 to change the output file (.OUT), see Example 10.

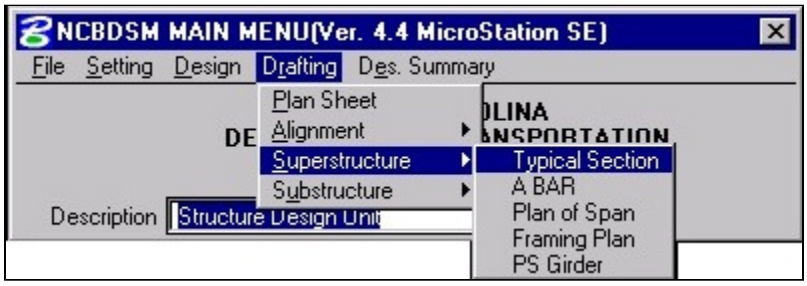
**Example 10:**




The input and output files have been changed from ABAR.INP to r2523ab.inp. Close out Example 10.

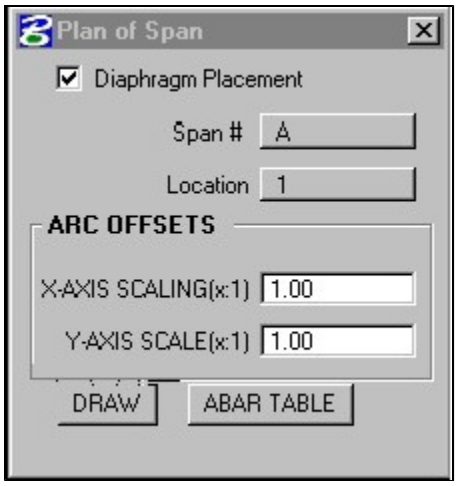
12. Next click on NCBDS go to DRAFTING,SUPERSTRUCTURE, then PLAN OF SPAN as shown in Example 11.

**Example 11:**




13. The dialog will display a PLANOF SPAN box, see Example 12. Click on the word ABAR TABLE. This will create a text file ( R2523AB.TXT). An Alert box will display showing that the text file has been saved and its file name. Click the OK button. The Plan of Span dialog box can be closed.

**Example 12:**

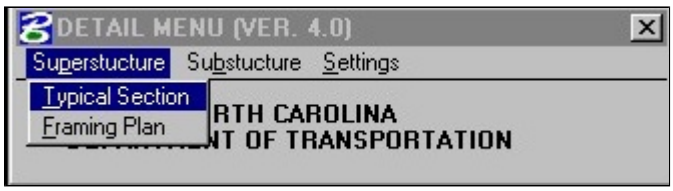



# *DETAILS PROGRAM*

14. Choose the  Icon. This will open DETAILS dialog. Click on the word SUPERSTRUCTURE as shown in Example 13.

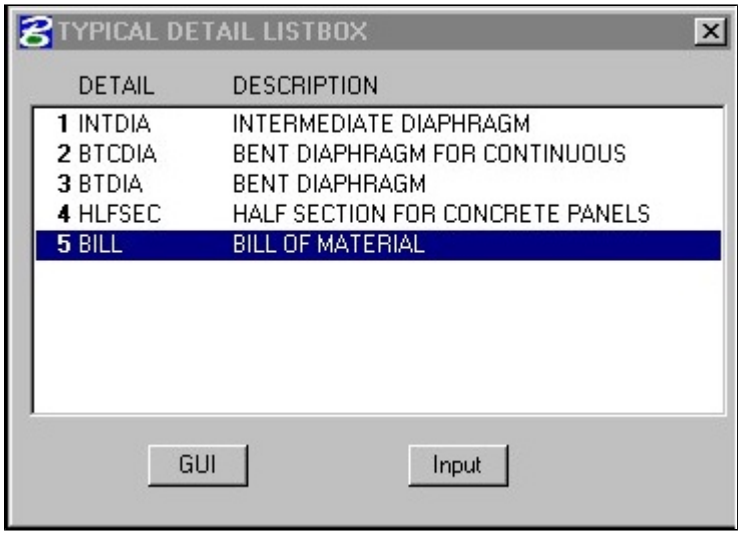


**Example 13:**



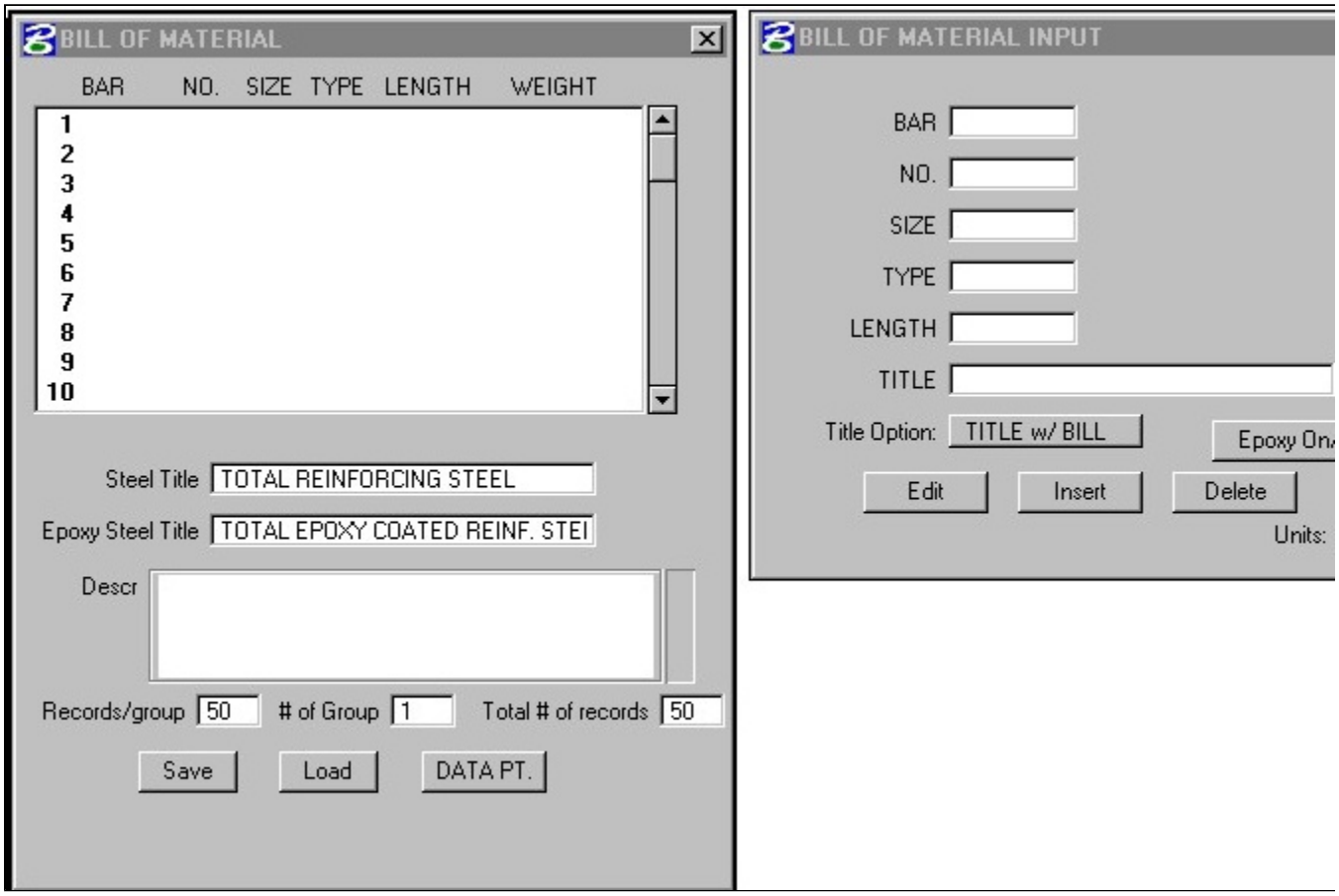

15. Click on the word TYPICAL SECTION and this will show the different programs related to superstructure, see Example 14.

**Example 14:**



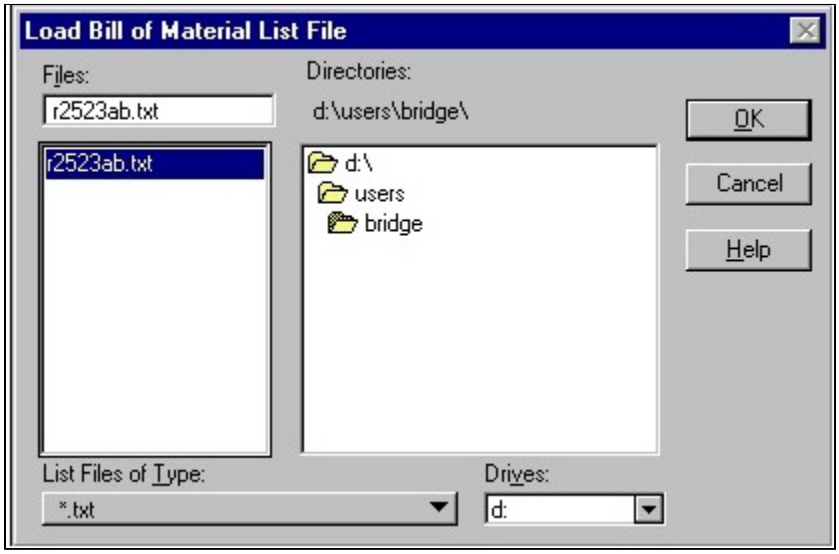

This dialog shows different programs that can be used with superstructures. For bill of matterials click number 5 (BILL OF MATERIAL) and then INPUT. This will bring up two dialog boxes shown in Example 15.

**Example 15:**



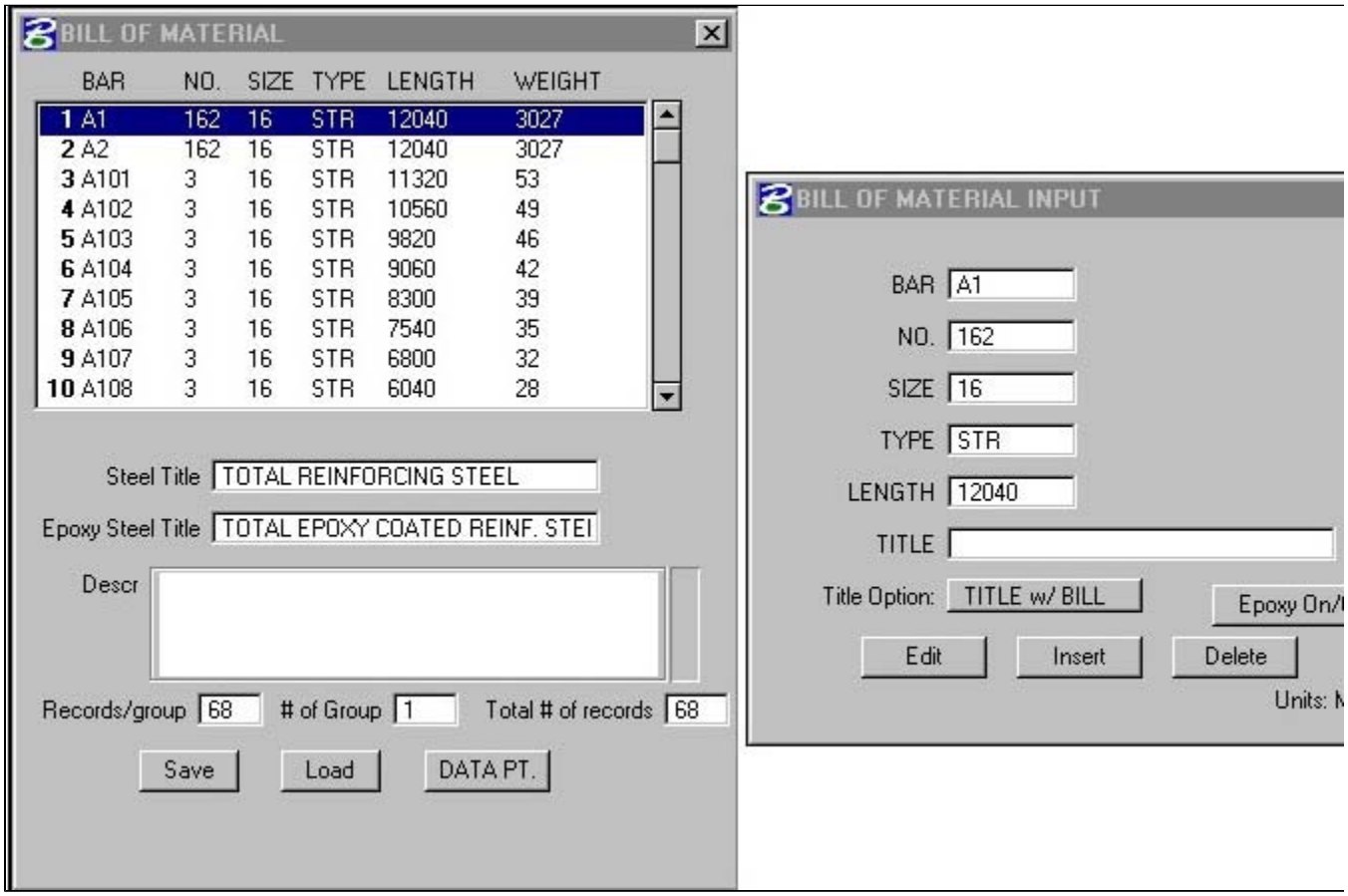
16. Click on LOAD and then locate the text file (d:\users\bride\r2523ab.txt). See Example 16.

**Example 16:**



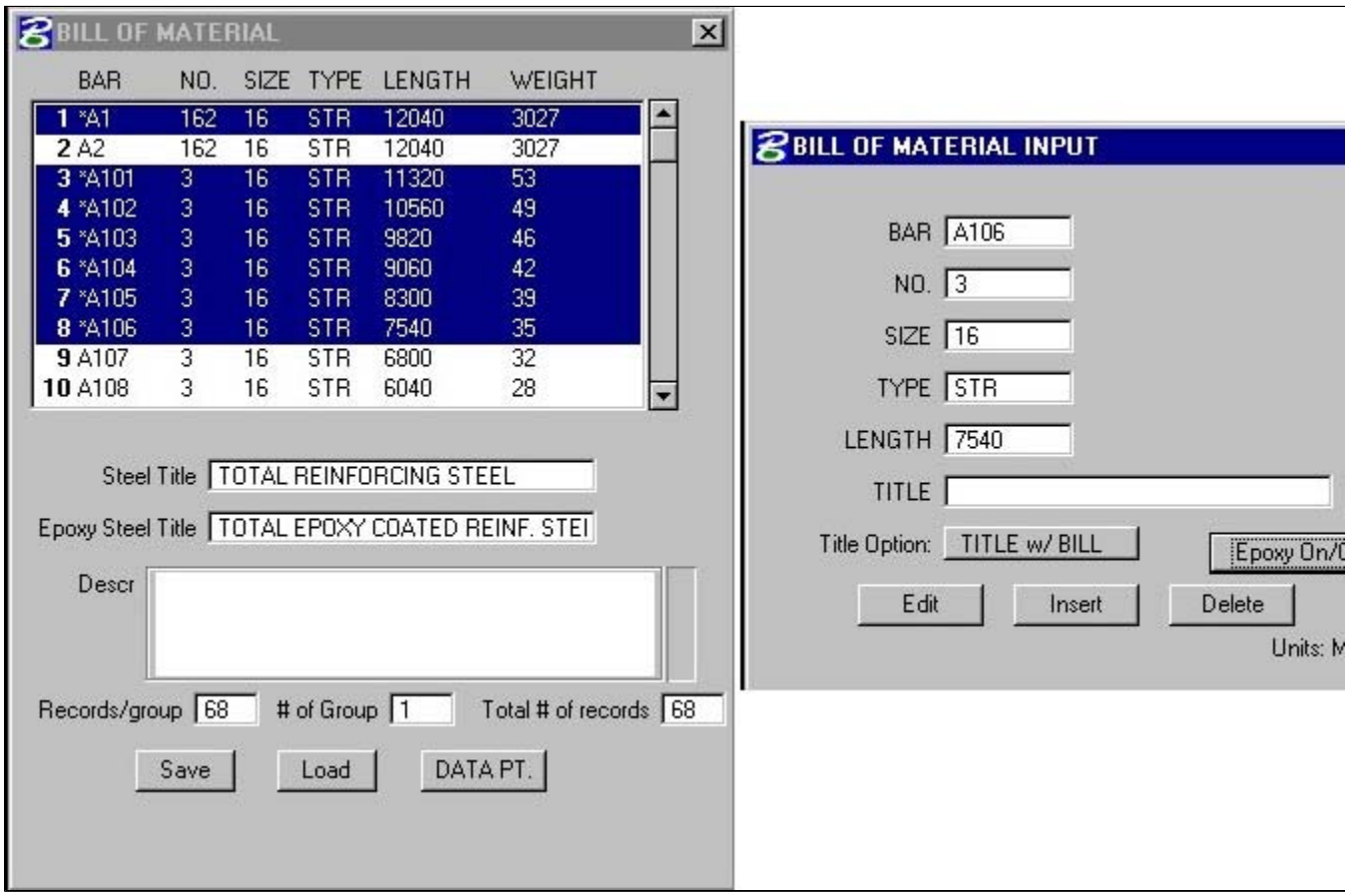

This will load the "A"bars as shown in Example 17.

**Example 17:**



17. The bars can be edited and additional bars can be added. Highlight bars to be epoxy coated and click on the EPOXY ON/OFF button. See Example 18.

**Example 18:**




When all bars are complete click on the SAVE button and then click the DATAPT. button to place on the drawing.

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STRUCTURE DESIGN CADD SUPPORT PAGE

Last Updated: 1/12/99 by:Bob Wright